

Date: Sun, 5 Sep 93 04:30:23 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: Bulk
Subject: Ham-Homebrew Digest V93 #32
To: Ham-Homebrew

Ham-Homebrew Digest Sun, 5 Sep 93 Volume 93 : Issue 32

Today's Topics:

A silly question... (3 msgs)
Do transmitters erase tapes?
NASA select rcvr

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 4 Sep 1993 22:47:55 GMT
From: swrinde!gatech!howland.reston.ans.net!vixen.cso.uiuc.edu!moe.ksu.ksu.edu!
hobbes.physics.uiowa.edu!news.uiowa.edu!icaen.uiowa.edu!drenze@network.ucsd.edu
Subject: A silly question...
To: ham-homebrew@ucsd.edu

Sorry for what may be a silly question, but this is the only place I can think
of to post it, so here goes...

I'm currently studying to upgrade to the General class license, and I'm
wondering...just **what** does a capacitor do???? Yes, I know that, "a capacitor
is a device which stores energy in the form of an electrostatic field," but
what's the practical upshot of this...ie, why would I want to store energy
in an electrostatic field, especially, if as the ARRL General Class License
Manual says, once a capacitor is charged, it blocks the flow of current in
a DC circuit.

Please explain this in relatively simple terms...I **think** I know
more about it than this, but I want to be sure I **understand** it rather than
memorizing some arcane incantation.

Tnx es 73 de Doug NOY??
02W 06D 04H 48M and counting...

PS, if you like, please respond e-mail so as not to take up bandwidth with
a gazillion posts to the net.

dit dit

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__  /|  | Douglas J Renze          | Charter Member, Popular Front  
'o.O'  | +1 319 337 4664          | for Revolutionary Darwinism:  
=(___)= | drenze@isca.uiowa.edu    |  
    U   | Douglas-Renze@uiowa.edu | Evolution Now!
```

Date: Sat, 4 Sep 1993 23:22:19 GMT
From: csus.edu!netcom.com!jfh@decwrl.dec.com
Subject: A silly question...
To: ham-homebrew@ucsd.edu

drenze@icaen.uiowa.edu (Douglas J Renze) wrote:

>I'm currently studying to upgrade to the General class license, and I'm
>wondering...just *what* does a capacitor do???? Yes, I know that, "a capacitor
>is a device which stores energy in the form of an electrostatic field," but
>what's the practical upshot of this...ie, why would I want to store energy
>in an electrostatic field, especially, if as the ARRL General Class License
>Manual says, once a capacitor is charged, it blocks the flow of current in
>a DC circuit.

I'm not going to attempt to answer the question (I'm sure I'd make a mess
of it), but I'll give you a book recommendation: The ARRL's "Understanding
Basic Electronics". I think it's a much better book than "Now You're
Talking", which you may have used to get your first license.

You may be able to find it in a local store. There's also an order form in
QST, and although they don't actually say that you can order by phone, they
give a phone number in the ad - 203-666-1541.

--

Jack Hamilton jfh@netcom.com kd6ttl@n0ary.#nocal.ca.us.na packet
Post Office Box 281107 San Francisco, California 94128 USA

Date: 4 Sep 1993 21:26:34 -0400
From: news!clarknet.clark.net!clarknet.clark.net!postmaster@uunet.uu.net
Subject: A silly question...
To: ham-homebrew@ucsd.edu

>drenze@icaen.uiowa.edu (Douglas J Renze) wrote:

>>I'm currently studying to upgrade to the General class license, and I'm
>>wondering...just *what* does a capacitor do???? Yes, I know that, "a capacitor
>>is a device which stores energy in the form of an electrostatic field," but
>>what's the practical upshot of this...ie, why would I want to store energy
>>in an electrostatic field, especially, if as the ARRL General Class License
>>Manual says, once a capacitor is charged, it blocks the flow of current in
>>a DC circuit.

I ditto the respondent's message about the book, but a simple view of a capacitor is this:

A capacitor is a device which opposes a change of voltage across its terminals. Likewise, an inductor is a device which opposes a change of current through it. This will seem obvious when you start to learn about the voltage lagging/current lagging effects of each device.

John A. Evans, Capt, USAF
VHDL/EDA Engineer
Ft Meade, MD 20755-2604

"My number one goal as a runner is to live long enough to place in my age group!!!"

jaevans@clark.net

Linux - the OS of choice !!

Once data encryption is outlawed, only outlaws will have data encryption !!!

Date: 5 Sep 1993 04:08:48 GMT
From: usc!howland.reston.ans.net!darwin.sura.net!news-feed-2.peachnet.edu!
hobbes.cc.uga.edu!aisun3.ai.uga.edu!mcovingt@network.ucsd.edu
Subject: Do transmitters erase tapes?
To: ham-homebrew@ucsd.edu

Query: Do low-power VHF transmitters erase videotapes or audio tapes?

I have a Ramsey FM-10 putting out a few milliwatts to relay my stereo throughout the house. Do I need to keep videotapes away from it?

I'd *think* not, because the EM field from the speakers and the TV set would be a lot stronger, but can anyone confirm experiences erasing (or not erasing) tapes with VHF?

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:- Michael A. Covington, Associate Research Scientist      :      *****
:- Artificial Intelligence Programs      mcovingt@ai.uga.edu :      *****
:- The University of Georgia             phone 706 542-0358 :      *   *   *
:- Athens, Georgia 30602-7415 U.S.A.    amateur radio N4TMI :      **  ***  **  <><
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Date: Sat, 4 Sep 1993 16:32:00 GMT
From: swrinde!cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!mksol!
blair@network.ucsd.edu
Subject: NASA select rcvr
To: ham-homebrew@ucsd.edu

I've heard in space.news that NASA broadcasts continuous coverage of it's missions via satellite and that anyone with a dish can receive it. I dont own a TV much less a satellite dish system but I'd certainly like to see that channel. Has anyone tried picking it up with homebrew equipment? It'd be worth the effort to me to roll my own receiver. Who sells LNA's and downconverters for this kind of stuff?
Art.

End of Ham-Homebrew Digest V93 #32
